## D DECLARATION/POWER OF AT TORNEY ATTORNEY DOCKET NO.: PA000325 AS BELOW NAMED IN R, I HEREBY DECLARE THAT: This Declaration is of the following type: Supplemental Continuation-In-Part Divisional Continuation National Stage of PCT My residence, post office address and citizenship are as stated below next to my name: I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Method and Apparatus for Gated ACK/NAK Channel in a Communication System, the specification of which: is attached hereto. was filed on September 1, 2000 as Serial No. 09/653,744 . was described and claimed in PCT International Application No. and as amended under PCT Article 19 on I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37CFR § 1.56(a). I hereby claim foreign priority benefits under 35 USC § 119 of any foreign applications for a patent or inventor's certificate or of any PCT International applications designating at least one country other than the United States listed below and have also identified below any foreign applications for a patent or inventor's certificate or any PCT International applications designating at least one country other than the United States filed by me on the same subject matter having a filing date before that of the applications of which priority is claimed. Priority Claimed (Country) (Application No.) (Day/Month/Year/Filed) (Yes) (No) I hereby claim the benefit under 35 USC § 120 of the United States application(s) listed below, and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC § 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT International filing date of this application: (Serial No.) (Filing Date) (Status) I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith: Russell B. Miller, Reg. No. 31,122, Gregory D. Ogrod, Reg. No. 30,880, Sean English, Reg. 37,319, Roger W. Martin Reg. No. 39, 291, Thomas R. Rouse Reg. No. 40,793, Kevin J. Clark, Reg. No. 42,421, Thomas Streeter Reg. No. 30,007, Kent D. Baker Reg. No. 38,882, Thomas M. Thibault Reg. No. 42,181, Charles D. Brown Reg. No. 28,285, Kyong H. Macek Reg. No 42, 977, Byron Yafuso Reg. No. 45,244, Pavel Kalousek

Reg. No. 44,178, Christopher O. Edwards Reg. No. 36,127, Raymond Hom Reg. No. 44,773, Bruce W. Greenhaus Reg. No. 37,339, Philip R. Wadsworth, Reg. No. 29,219; Sayed Hossain Beladi, Reg. No. 42,311, Michael D. Hartogs, Reg. No. 36,547; Albert J. Harnois, Reg. No. 46, 123, Sandra L. Godsey, Reg. No. 42,589, and Sandip Minhas, Reg. No. 44,945. Please direct all telephone calls to Philip R. Wadsworth at (858) 651-4404 and address all correspondence to: Jean Lupien, QUALCOMM Incorporated, 5775 Morehouse Drive, San Diego, California 92121-1714.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC § and that such willful false statements may jeopardize the validity of the application or any patent issued thereon

Full Name of Sole or First Inventor Paul E. Bender	Inventor Signature	Date Nov 15, 2000
Residence		Citizenship
2879 Angell Avenue, San Diego, California 92122		United States
Post Office Address		•
2879 Angell Avenue, San Diego, Califor	nia 92122	

QUALCOMM Incorporated 5775 Morehouse Drive

San Diego, California 92121-1714

Telephone: (858) 651-4404 Facsimile: (858) 658-2502

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COMBINE E	CLARATION	/POWER OF ATTE	NEY
17 2000 8			CKET NO.: PA000325
Continuation	emental	Continuation-In-Part National Stage of PCT	Divisional
My residence, post office address and citizensl and sole inventor (if only one name is listed below) the subject matter which is claimed and for which	or an original, fir a patent is sough	st and joint inventor (if plural on the invention entitled: Me	names are listed below) of
Gated ACK/NAK Channel in a Communication	System, the speci	fication of which:	
X is attached hereto.			
was filed on	as Serial No.	·	
was described and claimed in PCT Internation	al Application No	file	ed on
and as amended under PCT Article 19 on I hereby state that I have reviewed and under		·	
claims, as amended by any amendment referred to to the examination of this application in accordance I hereby claim foreign priority benefits unde certificate or of any PCT International applications and have also identified below any foreign appl applications designating at least one country other filing date before that of the applications of which processing the second secon	with 37CFR § 1. r 35 USC § 119 designating at leadications for a pa than the United	56(a). of any foreign applications ast one country other than the tent or inventor's certificate States filed by me on the sam	for a patent or inventor's United States listed below or any PCT International ne subject matter having a
	•		Priority Claimed
I hereby claim the benefit under 35 USC § 12 subject matter of each of the claims of this applicat provided by the first paragraph of 35 USC § 112, I CFR 1.56(a) which occurred between the filing dadate of this application:	ion is not disclose acknowledge the	ed in the prior United States a duty to disclose material info	opplication in the manner rmation as defined in 37
(Serial No.)	(Filing	Date)	(Status)
I hereby appoint the following attorneys and/or			
U.S. Patent and Trademark Office connected there 30,880, Sean English, Reg. 37,319, Roger W. Mart Reg. No. 42,421, Thomas Streeter Reg. No. 30,007	with: Russell B. in Reg. No. 39, 2 , Kent D. Baker I	Miller, Reg. No. 31,122, Gre 91, Thomas R. Rouse Reg. No. Reg. No. 38,882, Thomas M. 7	gory D. Ogrod, Reg. No. o. 40,793, Kevin J. Clark, Thibault Reg. No. 42,181,
Charles D. Brown Reg. No. 28,285, Kyong H. Mareg. No.44,178, Christopher O. Edwards Reg. No. 37,339, Philip R. Wadsworth, Reg. No. 29,219; S. 36,547; Albert J. Harnois, Reg. No. 46, 123, Sand Please direct all telephone calls to Philip R. Wadsworth, Communication of the Communicati	36,127. Raymond Sayed Hossain Be dra L. Godsey, R worth at (858) 65 e, San Diego, Cal	Hom Reg. No. 44,773, Bruckladi, Reg. No. 42,311, Michaleg. No. 42,589, and Sandip Mi-4404 and address all correspitornia 92121-1714.	e W. Greenhaus Reg. No. ael D. Hartogs, Reg. No. Minhas, Reg. No. 44,945. condence to: Jean Lupien,
I hereby declare that all statements made her			
information and belief are believed to be true; and			
false statements and the like so made are punishabl			SC § and that such willful
false statements may jeopardize the validity of the a		patent issued thereon.	D-4-
Full Name of Sole or First Inventor Paul E. Bender	Inventor Signature		Date
Residence	I		Citizenship
2879 Angell Avenue, San Diego, California 92122	2		United States
Post Office Address	<del></del>		

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ATTORNEY DOCKET NO.: PA000352 AS BELOW NAMED INVENTOR, I HEREBY DECLARE THAT: This Declaration is of the following type: X Original Supplemental Continuation-In-Part Divisional Continuation National Stage of PCT My residence, post office address and citizenship are as stated below next to my name: I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Method and Apparatus For Determining Load Level In A Communication System, the specification of which: is attached hereto. was filed on as Serial No. was described and claimed in PCT International Application No. filed on and as amended under PCT Article 19 on I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37CFR § 1.56(a). I hereby claim foreign priority benefits under 35 USC § 119 of any foreign applications for a patent or inventor's certificate or of any PCT International applications designating at least one country other than the United States listed below and have also identified below any foreign applications for a patent or inventor's certificate or any PCT International applications designating at least one country other than the United States filed by me on the same subject matter having a filing date before that of the applications of which priority is claimed. Priority Claimed (Country) (Application No.) (Day/Month/Year/Filed) I hereby claim the benefit under 35 USC § 120 of the United States application(s) listed below, and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner reprovided by the first paragraph of 35 USC § 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT International filing date of this application: (Serial No.) (Filing Date) (Status) I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the 亞S. Patent and Trademark Office connected therewith: Russell B. Miller, Reg. No. 31,122, Gregory D. Ogrod, Reg. No. 30,880, Sean English, Reg. 37,319, Roger W. Martin Reg. No. 39, 291, Thomas R. Rouse Reg. No. 40,793, Kevin J. Clark, Reg. No. 42,421, Thomas Streeter Reg. No. 30,007, Kent D. Baker Reg. No. 38,882, Thomas M. Thibault Reg. No. 42,181, Charles D. Brown Reg. No. 28,285, Kyong H. Macek Reg. No 42, 977, Byron Yafuso Reg. No. 45,244, Pavel Kalousek Keg. No.44,178, Christopher O. Edwards Reg. No. 36,127, Raymond Hom Reg. No. 44,773, Bruce W. Greenhaus Reg. No. 37,339, Philip R. Wadsworth, Reg. No. 29,219; Sayed Hossain Beladi, Reg. No. 42,311, Michael D. Hartogs, Reg. No. 56,547; Albert J. Harnois, Reg. No. 46, 123, Sandra L. Godsey, Reg. No. 42,589, and Sandip Minhas, Reg. No. 44,945. Please direct all telephone calls to Philip R. Wadsworth at (858) 651-4404 and address all correspondence to: Jean Lupien, QUALCOMM Incorporated, 5775 Morehouse Drive, San Diego, California 92121-1714. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC § and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of Sole or First Inventor Inventor Signature Date Paul E. Bender Residence Citizenship 2879 Angell Avenue, San Diego, California 92122 **United States** Post Office Address

QUALCOMM Incorporated 5775 Morehouse Drive

San Diego, California 92121-1714

2879 Angell Avenue, San Diego, California 92122

Telephone: (858) 651-4404 Facsimile: (858) 658-2502

ATTORNEY DOCKET NO.: PA000325 AS BELOW NAMED INVENTOR, I HEREBY DECLARE THAT: This Declaration is of the following type: Original Supplemental Continuation-In-Part Divisional Continuation National Stage of PCT My residence, post office address and citizenship are as stated below next to my name: I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Method and Apparatus for Gated ACK/NAK Channel in a Communication System, the specification of which: is attached hereto. was filed on September 1, 2000 as Serial No. was described and claimed in PCT International Application No. filed on and as amended under PCT Article 19 on I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37CFR § 1.56(a). I hereby claim foreign priority benefits under 35 USC § 119 of any foreign applications for a patent or inventor's certificate or of any PCT International applications designating at least one country other than the United States listed below and have also identified below any foreign applications for a patent or inventor's certificate or any PCT International applications designating at least one country other than the United States filed by me on the same subject matter having a filing date before that of the applications of which priority is claimed. Priority Claimed (Country) (Application No.) (Day/Month/Year/Filed) (Yes) I hereby claim the benefit under 35 USC § 120 of the United States application(s) listed below, and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC § 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT International filing date of this application: (Filing Date) (Serial No.) (Status) I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith: Russell B. Miller, Reg. No. 31,122, Gregory D. Ogrod, Reg. No. 30,880, Sean English, Reg. 37,319, Roger W. Martin Reg. No. 39, 291, Thomas R. Rouse Reg. No. 40,793, Kevin J. Clark, Reg. No. 42,421, Thomas Streeter Reg. No. 30,007, Kent D. Baker Reg. No. 38,882, Thomas M. Thibault Reg. No. 42,181, Charles D. Brown Reg. No. 28,285, Kyong H. Macek Reg. No 42, 977, Byron Yafuso Reg. No. 45,244, Pavel Kalousek Reg. No.44,178, Christopher O. Edwards Reg. No. 36,127, Raymond Hom Reg. No. 44,773, Bruce W. Greenhaus Reg. No. 37,339, Philip R. Wadsworth, Reg. No. 29,219; Sayed Hossain Beladi, Reg. No. 42,311, Michael D. Hartogs, Reg. No. 36,547; Albert J. Harnois, Reg. No. 46, 123, Sandra L. Godsey, Reg. No. 42,589, and Sandip Minhas, Reg. No. 44,945. Please direct all telephone calls to Philip R. Wadsworth at (858) 651-4404 and address all correspondence to: Jean Lupien, QUALCOMM Incorporated, 5775 Morehouse Drive, San Diego, California 92121-1714. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC § and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of Sole or First Inventor Inventor Signature Paul E. Bender 15,2000 Nov Residence Citizenship 2879 Angell Avenue, San Diego, California 92122 **United States** 

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ATTORNEY DOCKET NO.: PA000325

AS BELOW NAMED INVENTOR, I HEREBY DE  X Original Suppl Continuation My residence, post office address and citizensl	emental Continuation-In-In-In-In-In-In-In-In-In-In-In-In-In	Part Divisional FPCT
and sole inventor (if only one name is listed below)		
the subject matter which is claimed and for which		
Gated ACK/NAK Channel in a Communication		ico. Memod and Apparatus 101
X is attached hereto.	bystem, the specification of which.	
was filed on	as Sasial No	
<u> </u>	as Serial No.	Clad as
was described and claimed in PCT Internation and as amended under PCT Article 19 on		filed on
I hereby state that I have reviewed and under		
claims, as amended by any amendment referred to to the examination of this application in accordance		ose information which is materia
I hereby claim foreign priority benefits unde	r 35 USC § 119 of any foreign applic	cations for a patent or inventor'
certificate or of any PCT International applications	designating at least one country other th	nan the United States listed below
and have also identified below any foreign appl		
applications designating at least one country other	than the United States filed by me on	the same subject matter having
filing date before that of the applications of which p	priority is claimed.	•
		Priority Claimed
(Carrent)	(D. 04 d 0/ 67)	
(Country) (Application No.)	(Day/Month/Year/Filed)	(Yes) (No)
I hereby claim the benefit under 35 USC § 12		
subject matter of each of the claims of this applicat		
provided by the first paragraph of 35 USC § 112, I		
CFR 1.56(a) which occurred between the filing da	ite of the prior application and the nation	onal or PC1 international filing
date of this application:		
(Serial No.)	(Filing Date)	(Status)
I hereby appoint the following attorneys and/o		
U.S. Patent and Trademark Office connected there		
30,880, Sean English, Reg. 37,319, Roger W. Mart		
Reg. No. 42,421, Thomas Streeter Reg. No. 30,007		
Charles D. Brown Reg. No. 28,285, Kyong H. M.		
Reg. No.44,178, Christopher O. Edwards Reg. No.		
37,339, Philip R. Wadsworth, Reg. No. 29,219; S		
36.547; Albert J. Harnois, Reg. No. 46, 123, Sand		
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QUALCOMM Incorporated, 5775 Morehouse Driv		
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Full Name of Sole or First Inventor	Inventor Signature	Date
Paul E. Bender	thremor signature	Date
Residence	1	Citizenship
2879 Angell Avenue, San Diego, California 92122	2	United States
Post Office Address		
2879 Angell Avenue, San Diego, California 92122	2	
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QUALCOMM Incorporated

5775 Morehouse Drive
San Diego, California 92121-1714
Telephone: (858) 651-4404
Facsimile: (858) 658-2502

## RECORDATION FORM COVER SHEET PATENTS ONLY

Attorney Docket No.: PA000325 TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies). Submission Type Conveyance Type **⊠**New **⊠** Assignment Resubmission (Non-Recordation) ☐ Change of Name Document ID No. License Correction of PTO Error Merger Security Agreement Reel No. Frame No. Corrective Document Other: Reel No. Frame No. Conveying Party(ies) Mark if additional names are attached NAME **EXECUTION DATE** Month, Day, Year (MMDDYYYY) 1. Paul E. Bender November 15, 2000 2. 3. 4. **Receiving Party** Mark if additional names are attached Name: QUALCOMM Incorporated A Delaware Corporation Address (Street number and name): 5775 Morehouse Drive Address (City, State, Zip Code): San Diego, California, 92121-1714 Correspondent Name and Address Name: QUALCOMM Incorporated **Telephone Number: (858) 651-5886** Attn: Jean Lupien Facsimile: (858) 658-2502 Address: 5775 Morehouse Drive Address: San Diego, California 92121-1714 Pages (Enter the total number of pages of the attached conveyance document including any attachments) Total number of pages: 3 Application Number(s) or Patent Number(s) If this document is being filed together with a new application, the execution date of the application is: Patent Application Number(s): Patent Number(s): 1. 09/653,744 filed on September 1, 2000 1. 2. 2. 3. 3. 4. Patent Cooperation Treaty (PCT) (Enter only if a U.S. Application Number has not been assigned) 1. PCT/ PCT/ 2. PCT/ 4. PCT/ Number of Properties (Enter the total number of properties involved) Total number of properties: 1 Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00 Method of Payment: ☐ Enclosed ☐ Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account. A duplicate of this sheet is enclosed for fee processing) Deposit Account Number: 17-0026 Authorization to charge additional fees: XYes \quad No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. November 15, 2000 Name: S. Hossain Beladi, Reg. No. 42,311 FOR OFFICE USE ONLY

## **ASSIGNMENT**

## TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to me in hand paid, receipt of which is hereby acknowledged, be it known that I PAUL E. BENDER, a citizen of the United States of America having a place of residence at 2879 Angell Avenue, San Diego, California 92122; have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the whole right, title and interest in and to a certain invention relating to a METHOD AND APPARATUS FOR GATED ACK/NAK CHANNEL IN A COMMUNICATION SYSTEM by me devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on September 1, 2000, and assigned Serial No. 09/653,744, and all original and reissue patents granted thereof, and all divisions, and continuations thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts known to me respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors, assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this 15 day of Nov , 2000.

PAUL E. BENDER